

Synthetic: LFR Benchmark Networks

#Nodes	#Edges	
1,000	12,400	x 100 Trials
10,000	122,000	x 100 Trials
100,000	1,390,000	x 100 Trials
1,000,000	13,300,000	x 10 Trials

$$\times 3 \mu (0.4, 0.5, 0.6) = \frac{310}{930}$$

Empirical: Flickr and DLBP Networks

	#Nodes	#Edges
Flickr	105,938	2,316,948
DLBP	317,080	1,049,866

$$\begin{array}{r} 930 \text{ Synthetic Datasets} \\ 2 \text{ Empirical Datasets} \\ \hline 932 \text{ Total Datasets} \end{array}$$

Clustering Algorithms

(All Networks)

Louvain

Infomap

Label Propagation

Smart Local Moving (SLM)

930 Synthetic Datasets

2 Empirical Datasets

932 Total Datasets

Quality Metrics

(All Networks)

Modularity

Conductance

Coverage

Info Recovery Metrics

(Synthetic Networks)

Adjusted Rand Index

Traditional NMI

Variant of NMI

22,320 Metrics

24 Metrics

22,344 Metrics